

U.S. Appln. No. 10/717,812
Response and Amendment dated November 23, 2004
Reply to Office action of September 7, 2004
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AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings of claims in the application:

LISTING OF CLAIMS:

1. (Currently Amended) A process for converting hydrocarbons by comprising:
contacting a feed with a solid acid catalyst, comprising a support comprising a sulfated oxide or hydroxide of at least an element of Group IVB (IUPAC 4) of the Periodic Table, a first component selected from the group consisting of at least one lanthanide-series element, mixtures thereof, and yttrium, and a second component selected from the group of platinum-group metals and mixtures thereof, to give a converted product wherein the atomic ratio of the first component to the second component is at least about 2.
2. (Original) The process of Claim 1 wherein the hydrocarbon conversion process is selected from the group consisting of cracking, hydrocracking, aromatic alkylation, isoparaffin alkylation, isomerization, polymerization, reforming, dewaxing, hydrogenation, dehydrogenation, transalkylation, dealkylation, hydration, dehydration, hydrotreating, hydrodenitrogenation, hydrodesulfurization, methanation, ring opening, and syngas shift.
3. (Canceled).
4. (Original) The process of Claim 1 wherein the catalyst further comprises from about 2 to about 50 mass-% of a refractory inorganic-oxide binder.
5. (Original) The process of Claim 4 wherein the refractory inorganic-oxide binder comprises alumina.
6. (Currently Amended) The process of Claim 1 wherein the first component consists essentially of one single lanthanide element component ~~for~~ or a yttrium component, and the second component consists essentially of one single metal selected from the platinum-group metals.
- 7- 17. (Canceled).